

## WEST Search History

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DATE: Saturday, January 24, 2004

**Hide? Set Name Query****Hit Count***DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L1	supercritical fluid	5712
<input type="checkbox"/>	L2	silicate or clay or platelet or montmorillonite	364244
<input type="checkbox"/>	L3	polymer or \$4olefin or \$4propylene or \$4ethylene	2302234
<input type="checkbox"/>	L4	l2 with L3	38139
<input type="checkbox"/>	L5	L4 same l1	11

END OF SEARCH HISTORY

## Hit List

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Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 20030154865 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 11

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030154865

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030154865 A1

TITLE: Nano coupling magnetoadsorbent

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Zornes, David A.	Sammamish	WA	US	

US-CL-CURRENT: [96/143](#); [252/62.51R](#), [252/62.53](#), [252/62.54](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 2. Document ID: US 20030134942 A1

L5: Entry 2 of 11

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134942

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030134942 A1

TITLE: Method for producing a well-exfoliated and dispersed polymer silicate nanocomposite by ultrasonication

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Ellen Cheng-Chi	Ann Arbor	MI	US	
Mielewski, Deborah Frances	Ann Arbor	MI	US	

US-CL-CURRENT: [523/300](#); [524/425](#), [524/445](#), [524/447](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 20020082331 A1

## Record List Display

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L5: Entry 3 of 11

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082331  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020082331 A1

TITLE: System and method of preparing a reinforced polymer by supercritical fluid treatment

PUBLICATION-DATE: June 27, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mielewski, Deborah Frances	Ann Arbor	MI	US	
Lee, Ellen Cheng-chi	Ann Arbor	MI	US	
Manke, Charles W.	West Bloomfield	MI	US	
Gulari, Esin	Detroit	MI	US	

US-CL-CURRENT: 524/445; 523/347

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20010034307 A1

L5: Entry 4 of 11

File: PGPB

Oct 25, 2001

PGPUB-DOCUMENT-NUMBER: 20010034307  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20010034307 A1

TITLE: LOW OVERBASED ALKYLARYL SULFONATES

PUBLICATION-DATE: October 25, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
KING, WILLIAM FRANK	NOVATO	CA	US	
CAMPBELL, CURTIS BAY	HERCULES	CA	US	
CLEMENT, OLIVIER	LE HAVRE	CA	FR	
LECOENT, JEAN-LOUIS	LE HAVRE	CA	FR	
LOCKETT, STEVEN GALE	SAN RAFAEL		US	
NELSON, RICHARD JAMES	PINOLE		US	
TEQUI, PIERRE	ST. ROMAIN DE COLBOSC		FR	

US-CL-CURRENT: 508/391

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6551967 B2

L5: Entry 5 of 11

File: USPT

Apr 22, 2003

US-PAT-NO: 6551967  
DOCUMENT-IDENTIFIER: US 6551967 B2

h e b b g e e f e e ef b e

TITLE: Low overbased alkylaryl sulfonates

DATE-ISSUED: April 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
King; William Frank	Novato	CA		
Campbell; Curtis Bay	Hercules	CA		
Clement; Olivier	Le Havre			FR
Le Coent; Jean-Louis	Le Havre			FR
Lockett; Steven Gale	San Rafael	CA		
Nelson; Richard James	Pinole	CA		
Tequi; Pierre	St. Romain de Colbosc			FR

US-CL-CURRENT: 508/391; 562/115

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6469073 B1

L5: Entry 6 of 11

File: USPT

Oct 22, 2002

US-PAT-NO: 6469073

DOCUMENT-IDENTIFIER: US 6469073 B1

TITLE: System and method of delaminating a layered silicate material by supercritical fluid treatment

DATE-ISSUED: October 22, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Manke; Charles W.	West Bloomfield	MI		
Gulari; Esin	Detroit	MI		
Mielewski; Deborah Frances	Ann Arbor	MI		
Lee; Ellen Cheng-chi	Ann Arbor	MI		

US-CL-CURRENT: 523/216; 125/23.01, 252/378R, 524/445, 528/483

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 6168773 B1

L5: Entry 7 of 11

File: USPT

Jan 2, 2001

US-PAT-NO: 6168773

DOCUMENT-IDENTIFIER: US 6168773 B1

TITLE: Rapid process for making silica gel and silicate polymer and low density gels made thereby

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sharp; Kenneth George	Landenberg	PA		

US-CL-CURRENT: 423/338; 423/326, 423/335

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw Desc	Image
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☐ 8. Document ID: JP 10017319 A

L5: Entry 8 of 11

File: JPAB

Jan 20, 1998

PUB-NO: JP410017319A

DOCUMENT-IDENTIFIER: JP 10017319 A

TITLE: PREPARATION OF MESOPOROUS SILICATE

PUBN-DATE: January 20, 1998

## INVENTOR-INFORMATION:

NAME	COUNTRY
IZUMI, JUN	
YASUTAKE, AKINORI	
TOMONAGA, NARIYUKI	
KAGAWA, SHIYUUCHI	
TERAOKA, YASUTAKE	
SETOGUCHI, YUKAKO	

INT-CL (IPC): C01 B 39/00; C04 B 38/04; C04 B 38/06

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw Desc	Image
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☐ 9. Document ID: US 6469073 B1

L5: Entry 9 of 11

File: DWPI

Oct 22, 2002

DERWENT-ACC-NO: 2003-327112

DERWENT-WEEK: 200331

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TITLE: Method for delaminating layered silicate for producing reinforced polymer, involves contacting layered silicate particles with supercritical fluid, followed by depressurizing to exfoliate layered silicate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KMC	Draw Desc	Clip Img	Image
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☐ 10. Document ID: JP 2002212305 A

L5: Entry 10 of 11

File: DWPI

Jul 31, 2002

DERWENT-ACC-NO: 2002-613064

DERWENT-WEEK: 200312

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h e b b g e e e f e e e f b e

TITLE: Preparation of olefinic resin composition, useful for industrial part materials, comprises melt-kneading mixture of specified polymers and clay mineral in presence of supercritical fluid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KMC	Draw Desc	Image
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☐ 11. Document ID: US 20020082331 A1

L5: Entry 11 of 11

File: DWPI

Jun 27, 2002

DERWENT-ACC-NO: 2002-665314

DERWENT-WEEK: 200271

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TITLE: Preparation of reinforced polymer used in automotive components, uses supercritical fluid to pretreat/delaminate silicate layers and to reduce melt viscosity

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Abstract	Claims	KMC	Draw Desc	Clip Img	Image
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L4 same L1	11

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DATE: Saturday, January 24, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L1	(mielewski-deborah\$.in. or lee-ellen\$.in. or manke-charles\$.in. or gulari-esin\$.in.)	13
		<i>DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	11 and silic\$4	3
<input type="checkbox"/>	L3	L2 and (supercritical fluid or carbon dioxide)	3

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## Hit List

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### Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20030134942 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 3

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134942

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030134942 A1

TITLE: Method for producing a well-exfoliated and dispersed polymer silicate nanocomposite by ultrasonication

PUBLICATION-DATE: July 17, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Lee, Ellen Cheng-Chi</u>	Ann Arbor	MI	US	
<u>Mielewski, Deborah Frances</u>	Ann Arbor	MI	US	

US-CL-CURRENT: 523/300; 524/425, 524/445, 524/447

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 20020082331 A1

L3: Entry 2 of 3

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020082331

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020082331 A1

TITLE: System and method of preparing a reinforced polymer by supercritical fluid treatment

PUBLICATION-DATE: June 27, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Mielewski, Deborah Frances</u>	Ann Arbor	MI	US	
<u>Lee, Ellen Cheng-chi</u>	Ann Arbor	MI	US	
<u>Manke, Charles W.</u>	West Bloomfield	MI	US	
<u>Gulari, Esin</u>	Detroit	MI	US	

US-CL-CURRENT: 524/445; 523/347

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 6469073 B1

L3: Entry 3 of 3

File: USPT

Oct 22, 2002

US-PAT-NO: 6469073

DOCUMENT-IDENTIFIER: US 6469073 B1

TITLE: System and method of delaminating a layered silicate material by supercritical fluid treatment

DATE-ISSUED: October 22, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Manke; Charles W.</u>	West Bloomfield	MI		
<u>Gulari; Esin</u>	Detroit	MI		
<u>Mielewski; Deborah Frances</u>	Ann Arbor	MI		
<u>Lee; Ellen Cheng-chi</u>	Ann Arbor	MI		

US-CL-CURRENT: 523/216; 125/23.01, 252/378R, 524/445, 528/483

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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Terms

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L2 and (supercritical fluid or carbon dioxide)

3

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